

BEST AVAILABLE COPY

CLAIMS ONLY						SERIAL NO.	FILING DATE			
						APPLICANT(S)				
						CLAIMS				
	AS FILED		AFTER 1st AMENDMENT		AFTER 2nd AMENDMENT		*	*	*	
	IND.	DEP.	IND.	DEP.	IND.	DEP.	IND.	DEP.	IND.	DEP.
1							51			
2							52			
3							53			
4							54			
5							55			
6							56			
7							57			
8							58			
9							59			
10							60			
11							61			
12							62			
13							63			
14							64			
15							65			
16							66			
17							67			
18							68			
19							69			
20							70			
21							71			
22							72			
23							73			
24							74			
25							75			
26							76			
27							77			
28							78			
29							79			
30							80			
31							81			
32							82			
33							83			
34							84			
35							85			
36							86			
37							87			
38							88			
39							89			
40							90			
41							91			
42							92			
43							93			
44							94			
45							95			
46							96			
47							97			
48							98			
49							99			
50							100			
TOTAL IND.	13		↓		↓		TOTAL IND.		↓	
TOTAL DEP.	6	←		←		←	TOTAL DEP.		←	
TOTAL CLAIMS	614						TOTAL CLAIMS			

* MAY BE USED FOR ADDITIONAL CLAIMS OR AMENDMENTS

FORM PTO-2022 (1-98)

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

U.S. GPO: 1998-443-593/89152

BEST AVAILABLE COPY

CLAIMS ONLY

SERIAL NO. _____ FILING DATE _____

APPLICANT(S) _____

CLAIMS

	AS FILED		AFTER 1st AMENDMENT		AFTER 2nd AMENDMENT	
	IND.	DEP.	IND.	DEP.	IND.	DEP.
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21	1					
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						
32						
33						
34						
35						
36						
37						
38	2					
39	2					
40	2					
41	2					
42	2					
43	2					
44	1					
45	1					
46	1					
47	3					
48	3					
49	3					
50	1					
TOTAL IND.			↓	↓	↓	
TOTAL DEP.			←	←	←	
TOTAL CLAIMS						

	*		*		*	
	IND.	DEP.	IND.	DEP.	IND.	DEP.
51		1				
52		1				
53		3				
54		3				
55		1				
56		1				
57	1					
58		1				
59						
60						
61		1				
62		1				
63						
64						
65						
66						
67						
68						
69						
70						
71		2				
72		2				
73		2				
74		2				
75		2				
76		2				
77		2				
78		2				
79		2				
80		1				
81		1				
82		1				
83		3				
84		3				
85		3				
86		3				
87		3				
88		3				
89		1				
90						
91		1				
92		3				
93		3				
94		3				
95		3				
96						
97		1				
98		1				
99		3				
300		3				
TOTAL IND.		2	↓	↓	↓	
TOTAL DEP.		147	←	←	←	←
TOTAL CLAIMS	149					

* MAY BE USED FOR ADDITIONAL CLAIMS OR AMENDMENTS

BEST AVAILABLE COPY

CLAIMS ONLY						SERIAL NO.	FILING DATE			
						APPLICANT(S)				
CLAIMS										
	AS FILED		AFTER 1st AMENDMENT		AFTER 2nd AMENDMENT		*	*	*	
	IND.	DEP.	IND.	DEP.	IND.	DEP.	IND.	DEP.	IND.	DEP.
1	3						51			
2	3						52	2		
3	3						53	2		
4	1						54	2		
5	1						55	2		
6	1						56	2		
7	3						57	1		
8	3						58			
9	3						59	2		
10	1						60	2		
11							61	2		
12	1						62	1		
13							63	1		
14							64	1	2	
15							65			
16							66			
17							67			
18							68			
19							69			
20							70			
21							71			
22	1						72			
23							73			
24							74			
25	1						75			
26	1						76			
27	2						77			
28	2						78			
29	2						79			
30	2						80	1		
31	2						81			
32	2						82	2		
33	2						83	2		
34	2						84	2		
35	2						85	2		
36	1						86	2		
37	1						87	2		
38	2						88			
39	2						89			
40	2						90			
41	2						91			
42	2						92			
43	2						93			
44	1						94			
45	1						95			
46	2						96			
47	2						97			
48	2						98			
49	2						99			
50	1						400			
TOTAL IND.							TOTAL IND.	3		
TOTAL DEP.							TOTAL DEP.	142		
TOTAL CLAIMS							TOTAL CLAIMS	145		

* MAY BE USED FOR ADDITIONAL CLAIMS OR AMENDMENTS

BEST AVAILABLE COPY

CLAIMS ONLY						SERIAL NO.		FILING DATE								
						APPLICANT(S)										
CLAIMS																
	AS FILED		AFTER 1st AMENDMENT		AFTER 2nd AMENDMENT		*	IND.	DEP.	IND.	DEP.	IND.	DEP.	IND.	DEP.	
	IND.	DEP.	IND.	DEP.	IND.	DEP.										
1							51	3								
2							52	3								
3							53	3								
4							54	1								
5							55	1								
6							56	1								
7							57	1								
8							58	1								
9							59	1								
10							60	1								
11							61	1								
12							62	2								
13							63	1								
14							64	1								
15	2	—					65	1								
16	2	—					66	1								
17	2	—					67	1								
18	2	—					68	1								
19	2	—					69	1								
20	2	—					70	1								
21	2	—					71	1								
22	2	—					72	1								
23	2	—					73	1								
24	1						74	2								
25	1						75	2								
26	1						76	2								
27	3	—					77	2								
28	3	—					78	2								
29	3	—					79	2								
30	3	—					80	2								
31	3	—					81	2								
32	3	—					82	1								
33	1						83	1								
34	1						84	2								
35	1						85	2								
36	3	—					86	2								
37	3	—					87	1								
38	3	—					88	1								
39	3	—					89	1								
40	1						90	1								
41	1						91									
42	1						92									
43	3	—					93									
44	3						94									
45	3						95									
46	3						96									
47	3						97									
48	1						98									
49	1						99									
50	1						100									
TOTAL IND.							TOTAL IND.	4								
TOTAL DEP.							TOTAL DEP.	153								
TOTAL CLAIMS							TOTAL CLAIMS	157								

* MAY BE USED FOR ADDITIONAL CLAIMS OR AMENDMENTS

BEST AVAILABLE COPY

CLAIMS ONLY						SERIAL NO. 10079017	FILING DATE 2-21-02								
						APPLICANT(S)									
						CLAIMS									
	AS FILED		AFTER 1st AMENDMENT		AFTER 2nd AMENDMENT		IND.	DEP.	*	IND.	DEP.	*	IND.	DEP.	*
	IND.	DEP.	IND.	DEP.	IND.	DEP.			IND.			DEP.			IND.
1	/														
2		/													
3		/													
4		/													
5		/													
6		/													
7		/													
8		/													
9		/													
10		/													
11		/													
12		/													
13		/													
14		/													
15		2													
16		2													
17		2													
18		2													
19		2													
20		2													
21		2													
22		2													
23		2													
24		1													
25		1													
26		1													
27		3													
28		3													
29		3													
30		3													
31		3													
32		3													
33		1													
34		1													
35		1													
36		1													
37		1													
38		1													
39		1													
40		1													
41		1													
42		1													
43		3													
44		3													
45		3													
46		3													
47		3													
48		1													
49		1													
50		1													
TOTAL IND.	1														
TOTAL DEP.	88														
TOTAL CLAIMS	89														
* MAY BE USED FOR ADDITIONAL CLAIMS OR AMENDMENTS															

(2) **BEST AVAILABLE COPIES**

CLAIMS ONLY

SERIAL NO. _____

FILING DATE _____

APPLICANT(S)

CLAIMS

	AS FILED		AFTER 1st AMENDMENT		AFTER 2nd AMENDMENT	
	IND.	DEP.	IND.	DEP.	IND.	DEP.
101	/					
102	/					
103	/					
104	/					
105	/					
106	/					
7	/					
8	/					
9	/					
10	/					
11	/					
12	/					
13	/					
14	/					
15	/					
16	/					
17	/					
18	/					
19	/					
20	/					
21	/					
22	/					
23	/					
24	/					
25	Z					
26	Z					
27	Z					
28	Z					
29	Z					
30	Z					
31	Z					
32	Z					
33	Z					
34	/					
35	/					
36	/					
37	Z					
38	Z					
39	Z					
40	Z					
41	Z					
42	Z					
43	/					
44	/					
45	/					
46	Z					
47	Z					
48	Z					
49	Z					
50	/					
TOTAL IND.	1					
TOTAL DEP.	78					
TOTAL CLAIMS	79					

	*		*		*	
	IND.	DEP.	IND.	DEP.	IND.	DEP.
51	/					
52	/					
53	Z					
54	Z					
55	Z					
56	Z					
57	Z					
58	/					
59	/					
60	/					
61	Z					
62	Z					
63	Z					
64	/					
65	/					
66	/					
67	/					
68	/					
69	/					
70	/					
71	/					
72	Z					
73	/					
74	/					
75	/					
76	/					
77	/					
78	/					
79	/					
80	/					
81	/					
82	/					
83	/					
84	Z					
85	Z					
86	Z					
87	Z					
88	Z					
89	Z					
90	Z					
91	Z					
92	/					
93	/					
94	Z					
95	Z					
96	Z					
97	/					
98	/					
99	/					
100	/					
TOTAL IND.	3					
TOTAL DEP.	75					
TOTAL CLAIMS	78					

* MAY BE USED FOR ADDITIONAL CLAIMS OR AMENDMENTS

BEST AVAILABLE COPY

CLAIMS ONLY						SERIAL NO.		FILING DATE			
						APPLICANT(S)					
CLAIMS											
	AS FILED		AFTER 1st AMENDMENT		AFTER 2nd AMENDMENT			*	*	*	
	IND.	DEP.	IND.	DEP.	IND.	DEP.		IND.	DEP.	IND.	DEP.
101	/						51	/			
102	/						52	/			
103	/						53	/			
104	/						54	/			
105	/						55	/			
6	/						56	/			
7	/						57	/			
8	/						58	/			
9	/						59	/			
10	/						60	/			
11	/						61	/			
12	/						62	/			
13	/						63	/			
14	/						64	/			
15	/						65	/			
16	/						66	/			
17	/						67	/			
18	/						68	/			
19	/						69	/			
20	/						70	/			
21	/						71	/			
22	/						72	/			
23	/						73	/			
24	/						74	/			
25	/						75	/			
26	/						76	/			
27	/						77	/			
28	/						78	/			
29	/						79	/			
30	/						80	/			
31	/						81	/			
32	/						82	/			
33	/						83	/			
34	/						84	/			
35	/						85				
36	/						86				
37	/						87				
38	/						88				
39	/						89				
40	/						90				
41	/						91				
42	/						92				
43	/						93				
44	/						94				
45	/						95				
46	/						96				
47	/						97				
48	/						98				
49	/						99				
50	/						100				
TOTAL IND.	/						TOTAL IND.	/			
TOTAL DEP.	61						TOTAL DEP.	86			
TOTAL CLAIMS	62						TOTAL CLAIMS	87			

* MAY BE USED FOR ADDITIONAL CLAIMS OR AMENDMENTS

(4)

LAST AVAILABLE COPY

CLAIMS ONLY							SERIAL NO.	FILING DATE		
							APPLICANT(S)			
CLAIMS										
	AS FILED		AFTER 1st AMENDMENT		AFTER 2nd AMENDMENT			*	*	*
	IND.	DEP.	IND.	DEP.	IND.	DEP.		IND.	DEP.	IND.
301		3					51	/		
302		3					52	/		
303		3					53	2		
304		1					54	2		
305		1					55	2		
6		1					56	2		
7		3					57	2		
8		3					58	1		
9		3					59	1		
10		1					60	2		
11		1					61	2		
12		1					62	2		
13		1					63	1		
14		1					64	1		
15		1					65	1		
16		1					66	1		
17		1					67	1		
18		1					68	1		
19		1					69	1		
20		1					70	1		
21		1					71	1		
22		1					72	1		
23		1					73	1		
24		1					74	1		
25		1					75	1		
26		1					76	1		
27		2					77	1		
28		2					78	1		
29		2					79	1		
30		2					80	1		
31		2					81	1		
32		2					82	1		
33		2					83	2		
34		2					84	2		
35		2					85	2		
36		2					86	2		
37		1					87	2		
38		1					88	2		
39		2					89	1		
40		2					90	1		
41		2					91	1		
42		2					92	1		
43		2					93	1		
44		2					94	1		
45		1					95	1		
46		1					96	1		
47		2					97	1		
48		2					98	1		
49		2					99	1		
50		2					100	1		
TOTAL IND.	1		1				TOTAL IND.	2		
TOTAL DEP.	81	2	2	2	2	2	TOTAL DEP.	62	2	2
TOTAL CLAIMS	83	2	2	2	2	2	TOTAL CLAIMS	63	2	2

* MAY BE USED FOR ADDITIONAL CLAIMS OR AMENDMENTS

(5) **BEST AVAILABLE COPY**

CLAIMS ONLY						SERIAL NO.	FILING DATE		
						APPLICANT(S)			
CLAIMS									
	AS FILED		AFTER 1st AMENDMENT		AFTER 2nd AMENDMENT		*	*	*
	IND.	DEP.	IND.	DEP.	IND.	DEP.			
401	/					51			
402	/					52			
403	/					53			
404	/					54			
405	/					55			
406	/					56			
407	/					57			
8						58			
9						59			
10						60			
11						61			
12						62			
13						63			
14						64			
15						65			
16						66			
17						67			
18						68			
19						69			
20						70			
21						71			
22						72			
23						73			
24						74			
25						75			
26						76			
27						77			
28						78			
29						79			
30						80			
31						81			
32						82			
33						83			
34						84			
35						85			
36						86			
37						87			
38						88			
39						89			
40						90			
41						91			
42						92			
43						93			
44						94			
45						95			
46						96			
47						97			
48						98			
49						99			
50						100			
TOTAL IND.						TOTAL IND.			
TOTAL DEP.	7	◀	◀	◀	◀	TOTAL DEP.	◀	◀	◀
TOTAL CLAIMS	7	██████	██████	██████	██████	TOTAL CLAIMS	██████	██████	██████

* MAY BE USED FOR ADDITIONAL CLAIMS OR AMENDMENTS